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IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Tadayuki SUZUKI et al.

For: Freshness-keeping agent for plants

Serial No.: 09/744 678

Group: 1616

Filed: April 10, 2001

Examiner: A. Pryor

Attorney docket

No.: 0425-0821P

The Commissioner of Patents and Trademarks

Washington, D.C. 20231

DECLARATION UNDER 37 CFR 1.132

I, Tadayuki SUZUKI, declare as follows:

I am one of the co-inventors of the invention as claimed and described in the instant patent application. I have carried out additional tests, procedures and results of which are described below:

Additional examples and comparative examples were carried out in the same way as Example 2 of the instant patent application except for the effective components and their concentrations as shown in Table 26, hereto attached. Test results are shown in Table 26. It is noted that the combination of (A) with (B), (C), (D), (E) or (F) according to the claimed invention is superior to otherwise.

I hereby declare that all statements made herein of any own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine

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or imprisonment, or both, under Section 1001 of Title 18 of the United State Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated:

July 9, 2004Tadayuki Suzuki

Tadayuki SUZUKI

Table 26 hereto attached

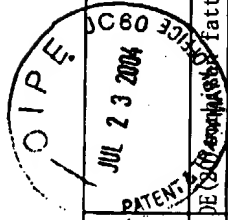


Table 26	Component B, C, D, EorF	Surfactant A	ratio	The number of days for the flowers being preserved			prior art
				chrysanthemum	carnation	rose	
Inventive product	B:Glucose 2.0%	DE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.0001%	A/B=0.00005	9	9	7	
	B:Glucose 2.0%	POE(20) Sorbitan fatty acid ester(alkyl=C18:1) 0.001%	A/B=0.0005	9	9	9	
	B:Glucose 2.0%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.01%	A/B=0.005	11	10	9	
	B:Glucose 0.1%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.1%	A/B=1.0	10	10	9	
	C:Gibberellin(GA3) 0.1%	DE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.0001%	A/C=0.001	9	9	8	
	C:Gibberellin(GA3) 0.0001%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.01%	A/C=100	11	11	9	
	C:Gibberellin(GA3) 0.00002%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.001%	A/C=5000	11	11	10	
	D:Silver thiosulfate 0.05%	DE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.0001%	D/A=500	12	12	11	
	D:Silver thiosulfate 0.001%	POE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.01%	D/A=0.1	10	10	10	
	D:Silver thiosulfate 0.00005%	POE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.1%	D/A=0.0005	9	9	8	
	E:Aluminium sulfate 13-14H2O 0.2%	DE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.0001%	A/E=0.0005	9	9	8	
	E:Aluminium sulfate 13-14H2O 0.05%	POE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.01%	A/E=0.2	10	10	10	
	E:Aluminium sulfate 13-14H2O 0.0002%	POE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.1%	A/E=500	9	9	8	
	F:Proxel 0.5%	DE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.0001%	A/F=0.0002	9	9	7	
	F:Proxel 0.02%	POE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.01%	A/F=0.5	10	10	9	
	F:Proxel 0.001%	POE(20)sorbitan fatty acid ester(alkyl=C18:1) 0.1%	A/F=100	9	9	8	
	-	Tap water	-	5	5	3	
	-	Chrysal 2%	-	7	7	5	
Comparative product	B:Glucose 2.0%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.0000	A/B=0.0000005	4	4	3	
	B:Glucose 2.0%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 5.0%	A/B=2.5	2	2	2	
	B:Glucose 20.0%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.0001	A/B=0.000005	1	1	1	
	C:Gibberellin(GA3) 0.1%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.0000	A/C=0.0001	1	1	1	
	C:Gibberellin(GA3) 0.0001%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 2.0%	A/C=20000	2	2	2	
	C:Gibberellin(GA3) 1.0%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.0001	A/C=0.0001	1	1	1	
	D:Silver thiosulfate 0.05%	E(20) sorbitan fatty acid ester(alkyl=C18:1) 0.00002	D/A=2000	6	6	5	
	D:Silver thiosulfate 0.001%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 6.0%	D/A=0.00017	1	1	1	
	D:Silver thiosulfate 0.2%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.0001	D/A=2000	4	4	3	
	E:Aluminium sulfate 13-14H2O 0.2%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.00002	A/E=0.0001	5	4	5	
	E:Aluminium sulfate 13-14H2O 0.05%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 60.0%	A/E=1200	1	1	1	
	E:Aluminium sulfate 13-14H2O 1.0%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.00001	A/F=0.000005	3	3	2	
	F:Proxel 0.5%	E(20) sorbitan fatty acid ester(alkyl=C18:1) 0.05%	A/F=250	5	5	5	
	F:Proxel 0.0002%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 1%	A/F=50	6	6	5	
	F:Proxel 0.02%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.01%	A/F=0.017	3	3	3	
	F:Proxel 0.6%	Sorbitan fatty acid ester(alkyl=C18:1) 1%	A/B=0.05	1	1	1	JP54020010A
	B:Glucose 20%	DE(20) sorbitan fatty acid ester(alkyl=C18:1) 0.000	A/C'=0.25	2	2	1	JP02209801A
	C': brassinolides 0.0004%	Sorbitan fatty acid ester(alkyl=C18:1) 0.01%	D'/A=0.1	4	5	2	JP59189185A
	D': semicarbazide 0.001%	POE(20) sorbitan fatty acid ester(alkyl=C18:1) 80%	A/E=4	1	1	1	JP55083707A
	E:aluminium sulfate 20%	Sorbitan fatty acid ester(alkyl=C18:1) 10%	A/F=1	1	1	1	JP07291856A

The component C do not include the component C'.

The component D do not include the component D'.